

As a past panelist on the EPRI International Expert Panel on RF Effects, I urge the FCC to do everything possible to keep our land lines functional and keep POTS service in place.

Although many phone customers are moving to wireless service, this should change as the results of the NTP tumor study and other studies become more well known. It is my professional opinion as a theoretical biophysicist, with a Ph.D. in physics from Berkeley, and over 20 years research experience in the Theoretical Biology & Biophysics group at Los Alamos National Laboratory that it will turn out that cellphones and other wireless technologies like Wi-Fi do indeed cause cancer and other health effects.

VOIP is also not an equivalent alternative to POTS, both because of safety issues and reliability issues. Recent studies show that the European Robin is sensitive to very weak fields of the sort emitted by almost all modern electronic devices due to their switching power supplies (which traditional telephones do not have). It is believed that the Robin's sensitivity arises from its cryptochrome protein, which humans and butterflies also have, and which in humans is involved in sleep regulation and possibly other brain processes.

Many people, including myself, still rely on POTS phone service and use it for faxes, an ability that could become a life saver in the event of hacker or other disruption of the internet. Just think of the vulnerability that would be created if a foreign adversary were able to take down the internet for, say, a month, and we had no working phone lines or fax capability. The recent short term disruption of major websites show how vulnerable we currently are to DNS DDoS attacks, and this vulnerability continues to grow as more hackable devices are connected to the internet.

To conclude, for health, safety, and reliability, there is currently no substitute for POTS service, and we should all have the choice of using the most proven communication technology available.

Sincerely,

William J. Bruno, Ph.D.

P.S.: My resume is attached.